## **CONTENTS**

Special Issue: 200th Volume Celebration Issue (Abstracts/contents lists published in: Chem. Abstr.; Curr. Contents, Phys. Chem. Earth Sci., Life Sci.	.)
Preface by L. Hough and A. C. Richardson	x
X-Ray and conformational investigation of 6-deoxy-7-C-(2-furyl)-1,2:3,4-di-O-isopropylidene-L-glycero-α-D-galacto-heptopyranose	
J. W. Krajewski, P. Gluziński, Z. Urbańczyk-Lipkowska, J. Ramza, and A. Zamojski (Warsaw, Poland)	1
Structural analysis of xyloglucan oligosaccharides by <sup>1</sup> H-n.m.r. spectroscopy and fast-atom-bom-bardment mass spectrometry W. S. York, H. van Halbeek, A. G. Darvill, and P. Albersheim (Athens, GA, U.S.A.)	
	,
An n.m.r. and conformational analysis of the terminal trisaccharide from the serologically active glycolipid of <i>Mycobacterium leprae</i> in different solvents	
K. Bock, T. Hvidt, J. Marino-Albernas (Valby, Denmark), and V. Verez-Bencomo (Havana, Cuba)	33
High-sensitivity structural analyses of oligosaccharide probes (neoglycolipids) by liquid-secondary- ion mass spectrometry	
A. M. Lawson, W. Chai, G. C. Cashmore, M. S. Stoll, E. F. Hounsell, and T. Feizi (Harrow, U.K.)	47
Analysis of oligosaccharide epitopes of meningococcal lipopolysaccharides by fast-atom-bombard-	
ment mass spectrometry  A. Dell, P. Azadi, P. Tiller, J. Thomas-Oates (London, U.K.), H. J. Jennings, M. Beurret, and F. Michon (Ottowa, Canada)	59
The effect of double-bond geometry on the crystallographic conformations of two enopyranuronates	
J. C. Barnes, J. S. Brimacombe (Dundee, U.K.), and D. J. Irvine (Fife, U.K.)	77
On the extent of chair distortion in "tetra-axial" derivatives of 2,3,4-tri-O-benzoyl-β-D-xylopyranose	
F. W. Lichtenthaler and H. J. Lindner (Darmstadt, F.R.G.)	91
Interaction of cyclodextrins (cyclomalto-oligosaccharides) with glycolipids: n.m.r. studies of aqueous systems of cyclomaltohexaose and alkyl glycosides	
B. Casu, A. Grenni, A. Naggi, G. Torri, M. Virtuani, and B. Focher (Milan, Italy)	101
N-Substituted (β-D-galactropyranosylmethyl)amines, and C-β-D-galactopyranosylformamides, and related compounds	
J. N. BeMiller, M. P. Yadav (West Lafayette, IN, U.S.A.), V. N. Kalabokis, and R. W. Myers (Carbondale, IL, U.S.A.)	111
Synthese der verzweigten Nonasaccharid-Sequenz der "bisected" Struktur von N-Glycoproteinen H. Paulsen, M. Heume, and H. Nurnberger (Hamburg, F.R.G.)	127
Reaction of amino sugars with malondialdehyde	
A. Gómez-Sánchez, I. Maya, and I. Hermosín (Seville, Spain)	167

Complexing of carbohydrates with copper ions: a reappraisal S. J. Angyal (Kensington, NSW, Australia)	181
Synthesis and ring-opening reactions of 4-chloro-4-deoxy-α-D-galactopyranosyl 3,4-anhydro-1,6-dichloro-1,6-dideoxy-β-D- <i>lyxo</i> -hexulofuranoside R. Khan, G. Patel, and K. S. Mufti (Reading, U.K.)	189
Anomalous Zemplén deacylation reactions of 2-O-acyl-3-O-alkyl or -3-O-glycosyl derivatives of D-galactose and D-glucose: synthesis of O-α-D-mannopyranosyl-(1→4)-O-α-L-rhamnopyranosyl-(1→3)-D-galactose and an intermediate for the preparation of 2-O-glycosyl-3-O-(α-D-mannopyranosyl)-D-glucoses  Z. Szurmai, A. Lipták (Debrecen, Hungary), and G. Snatzke (Bochum, F.R.G.)	201
Stereocontrolled synthesis of lankanolide from 1,6-anhydro-β-D-glucopyranose (levoglucosan): 1, synthesis of the C-1/7 and C-8/15 segments  N. K. Kochetkov, D. V. Yashunsky, A. F. Sviridov, and M. S. Ermolenko (Moscow, U.S.S.R.)	209
Convenient syntheses of 5-O- and 3,5-di-O-(β-D-galactofuranosyl)-D-galactofuranose R. M. de Lederkremer, C. Marina, and O. Varela (Buenos Aires, Argentina)	227
Two routes to enantiomerically pure 3-aminoinosose derivatives R. J. Ferrier and A. E. Stütz (Wellington, New Zealand)	237
A stereoselective synthesis of pyruvic 4.6-acetals of D-hexopyranose residues G. O. Aspinall, I. H. Ibrahim, and N. K. Khare (Toronto, Ont., Canada)	247
The use of immobilised glycosyltransferases in the synthesis of sialyloligosaccharides C. Augé, R. Fernandez-Fernandez, and C. Gautheron (Orsay, France)	257
Stereoselective synthesis of sialyl-lactotetraosylceramide and sialylneolactotetraosylceramide A. Kameyama, H. Ishida, M. Kiso, and A. Hasegawa (Gifu, Japan)	269
O-Alkylation at the anomeric centre for the stereoselective synthesis of Kdo-α-glycosides A. Esswein, H. Rembold, and R. R. Schmidt (Konstanz, F.R.G.)	287
Syntheses of hepta-, hexa-, and penta-pivalates of trehalose by selective pivaloylation R. Cortes Garcia, L. Hough, and A. C. Richardson (London, U.K.)	307
N-p-Methoxybenzylidene derivatives of 2-amino-2-deoxy-D-glucose as glycosyl donors: a reinvestigation A. Marra, and P. Sinaÿ (Paris, France)	319
Die Kristall- und Molekülstrukturen von einem Nitropentitol und von vier Nitrohexitolen  J. Kopf (Hamburg, F.R.G.), H. Brandenburg, W. Seelhorst, and P. Köll (Oldenburg, F.R.G.)	339
Reactive pseudo-oligosaccharides as potential irreversible inhibitors for sugar-binding proteins: synthesis of the diastereoisomers of $(3,4,6/5)$ -3,4,-epoxy-6- $(\beta$ -D-galactopyranosylthio)-5-hydroxycyclohexene	
J. Lehmann, and B. Neumann (Freiburg, F.R.G.)	355
Synthesis of (1→4)-linked galacturonic acid trisaccharides, a proposed plant wound-hormone and a stereoisomer	
Y. Nakahara, and T. Ogawa (Wako, Japan)	363

Synthesis of a trehalose homolog, 6-deoxy-α-D-gluco-heptopyranosyl 6-deoxy-α-D-gluco-heptopyranoside, and the corresponding bis(heptosiduronic acid)  H. H. Baer, R. L. Breton, and Y. Shen (Ottawa, Ont., Canada)	377
Purification of $\alpha$ -L-fucosidase by C-glycosylic affinity chromatography, and the enzymic synthesis of $\alpha$ -L-fucosyl disaccharides	
S. C. T. Svensson, and J. Thiem (Münster, F.R.G.)	391
Details of the fine structure of nigeran revealed by the kinetics of its oxidation by periodate T. J. Painter (Trondheim, Norway)	403
The use of bacteriophage-mediated depolymerisation in investigations of the structure of the capsular polysaccharide from <i>Klebsiella</i> serotype K71  G. E. Jackson, N. Ravenscroft, and A. M. Stephen (Rondebosch, South Africa)	409
Distribution of substituents in 2-hydroxypropyl ethers of cyclomaltoheptaose  J. Pitha, C. T. Rao (Baltimore, MD, U.S.A.), B. Lindberg, and P. Seffers (Stockholm, Sweden)	429
Base-catalyzed conversion of the α-L-iduronic acid 2-sulphate unit of heparin into a unit of α-L-galacturonic acid, and related reactions  R. N. Rej, and A. S. Perlin (Montreal, Quebec, Canada)	437
A structural investigation of the capsular polysaccharide of <i>Escherichia coli</i> O9:K57:H32  H. Parolis, L. A. S. Parolis, S. M. R. Stanley (Grahamstown, South Africa), and G. G. S. Dutton (Vancouver, B.C., Canada)	449
The structure of Escherichia coli K26 antigen L. M. Beynon, and G. G. S. Dutton (Vancouver, B.C., Canada)	457
N-Substituted methyl 3,6-di-O-benzoyl-2-deoxy-2-hydroxyamino-α-D-hexopyranosid-4-uloses: a configurational reassignment J. M. J. Tronchet, N. Bizzozero, G. Bernardinelli, and M. Geoffroy (Geneva, Switzerland)	469
Synthesis of methyl 3-O-α-D-galactopyranosyl-6-O-α-D-mannopyranosyl, methyl 3-O-α-D-glucopyranosyl-6-O-α-D-mannopyranosyl-α-D-mannopyranoside, methyl 6-O-α-D-galactopyranosyl-3-O-α-D-mannopyranosyl-α-D-mannopyranoside, and methyl 6-O-α-D-glucopyranosyl-3-α-D-mannopyranosyl-α-D-mannopyranoside P. J. Garegg, S. Oscarson, and AK. Tidén (Stockholm, Sweden)	475
A convenient preparation of per-2,6,di-O-methylcyclomalto-oligosaccharides  K. Takeo (Kyoto, Japan)	481
Synthesis of methyl hexa-O-acetylacarviosin and the 6-acetoxy analogue Y. Shibata, S. Ogawa, and T. Suami (Yokohama, Japan)	486
<ul> <li>α,β-Unsaturated-7,3-lactone-nucleosides via an intramolecular Wittig reaction: a short route to nucleosides related to goniothalenol</li> <li>M. Bessodes, R. Benamghar, and K. Antonakis (Villejuif, France)</li> </ul>	493
A simple preparation of 2,3,4,6-tetra-O-acetyl-1-S-acetyl-1-thio-α-D-glucopyranose A. Gadelle, J. Defaye (Grenoble, France), and C. Pedersen (Lyngby, Denmark)	497
The enzymic determination of the enantiomers of galactose  R. Sturgeon (Edinburgh, U.K.)	499
Author index	cl
Subject index	с3

